



SECRET

WILLIAM F. T. TUBER, A. S.

1940. (Source of information). California.

PA 152T46

USSR/Medicine - Helminthology 11 Dec 49  
Parasitology

"Phylogenetic Relation Between the Pulmonary Nematodes of Rodents and of Artiodactyla," R. S. Schul'ts, A. N. Kadenatsii, Sci Res Vet Inst, Kazakh Affiliate VASKNIIL, Alma-Ata, 3 pp

"Dok Ak Nauk SSSR, Vol LXIX, No 5

Pulmonary and gastrointestinal helminths are most important nematodes in USSR. There are 20 known forms of Protostrongylus. Some are parasitic to Bovidae, Cervidae, and Leporidae, some only to wild and domestic sheep and goats,

152T46

USSR/Medicine - Helminthology 11 Dec 49  
(Contd)

including chamois and gorals. About ten varieties are parasitic to Ovicaprinae. Similar structure of male sex organs suggests that P. cuniculorum and P. tauricus evolved from P. kochi (Schulz, Orloff, and Kutass, 1933) while P. terminalis and P. kamenskyi diverged from P. hobmaieri (Schulz, Orloff, and Kutass, 1933). Submitted by Acad K. I. Skryabin 10 Oct 49.

152T46  
1 COMILC

SHUL'TS, R.S.

21009 Shul'ts R.S. i Boyev, S.M. Postimaginal'naya degel'mintizatsiya Izvestiya Akad Nauk Kazakh SSR, No. 44, Sirya parazitol, vyp. 6, 1948, s.151-62—Rezyume Na. Kazakh. Yaz- Bibliogr 12 Nazv.

SO: LETOPIS ZHURNAL STATEY- Vol. 28, Moskva, 1949

SHUL'TS, R. S. Prof

PA 22/49T75

USSR/Medicine -- Helminths and  
Helminthiasis  
Medicine -- Phenothiazin

Sep 48

"Postimago Dehelminthization," Prof R. S. Shul'ts,  
S. N. Boyev, Kazakh Sci Res Vet Inst, 1 p

"Veterinariya" No 9 p 17

Summarizes results of study on the  
dehelminthization action of phenothiazin.

22/49T75

SHUL'TS, R. S.

PA 6/4791

USSR/Medicine - Nematodes  
Medicine - Taxonomy

Jul 48

"New Nematodes From Altay and Mongol Rodents  
(Oenotonidae)," R. S. Shul'ts, 3 3/4 pp

"Dok Ak Nauk SSSR" Vol LXI, No 1

Describes four previously unknown helminths.  
Submitted 28 Apr 1948.

8/49T91

SHUL'TS, R. S.

FA 55/49T65

USSR/Medicine - Nematodes  
Medicine - Parasitology

Nov 48

"Morphology of the Genital Bursa of a Nematode  
(Capreocaulus Nov. Gen.) From the Lungs of a Roe  
Deer," R. S. Shul'ts, A. N. Kadenatsii, Kazakh  
Sci Res Vet Inst, 3 $\frac{1}{4}$  pp

"Dok Ak Nauk SSSR" Vol LXIII, No 3

Helminths, previously found only in Germany, were  
found in the lungs of a roe deer in the Crimean  
National Reserve. Analysis of the male's genital  
bursa leads to reclassification of this parasite  
and formation of a new subgenus of Capreocaulus.  
Submitted by K. I. Skryabin 25 Sep 48

~~FOUO~~

55/49T65

SHUL'TS, R.S. (~~SHUL'TS~~)

"Morphology of the Genital Bursa of a Nematode (Capreocaulus Nov.Gen.)  
From the Lungs of a Roe Deer," R.S.SHUL'TS, A.N.Kadenatsiy, Kazakh Scientific  
Research Veterinary Institute, 3 1/2 pp

Helminths, previously found only in Germany, were found in the lungs of  
a roe deer in the Crimean National Reserve. Analysis of the male's genital  
bursa leads to reclassification of this parasite and formation of a new subgenus  
of Capreocaulus. Submitted by K.I.Skryabin 25 Sept 48 (....;55/49T65)

EO:Doklady Akademii Nauk SSSR; Vol. LXIII; No. 3;p341 uncl deg

Same article is item 41088, ref. 41411, in 1948 Letopis' Zhurnal'nykh Statey No.46





11/20/73

WVYAN, J. L. 11/20/73

1/5, 2nd. indole-3-pyrrrole and indole-3-pyrrrole. (r. 27).  
niv, up. E, str. 1/5.

SHUL'TS, R.S.; KASTORSKIY, D.I.

On the study of helminths of the Caucasian bear (*Ursus arctos caucasicus* Smirn., 1919) and discovery of *Gongylonema pulchrum* (Mel., 1860) parasite on it. Dokl.AN Arm.SSR 11 no.3:99-104 '49.  
(MLRA 9:10)

1.Predstavleno K.I.Skryabinym.  
(Zakataly District--Nematodes) (Parasites--Bears)

SHUL'TS, R. S. and BOEV, S. N.

Scientific Research Vet. Inst.

Branch of VASHkhNYL

[same as Kazakh Sci. Res. Vet. Inst., Alma-Ata]

"On subclinical forms of helminthoses."

SO: Vet. 26 (7) 1949, p. 16

SHULTS, R. C., KADENATSII, A.N. ANDREYEVA, N.K.

24896 SHULTS, R.C., KADENATSII, A.N. ANDREYEVA, N.K. Anatomicheskaya struktura Polovogo Apparata Samtsov Nematod Roda Necstrongylus Gelauer, 1932. Doklady Akad. Novaya, T. LXVII, No.4, 1949, S. 763-65

SO: Letopis', No. 33, 1949

SCHUL'TS, R.S. (SCHUL'TS)

"Phylogenetic Relation Between the Pulmonary Nematodes of Rodents and of Artiodactyla," R.S.SCHUL'TS, A.N.Kadenatsiy, Scientific Research Veterinary Institute, Kazakh Affiliate VASKhNIL, Alma-Ata, 3pp

Pulmonary and gastrointestinal helminths are most important nematodes in USSR. There are 20 known forms of Protostrongylus. Some are parasitic to Bovidae, Cervidae, and Leporidae, some only to wild and domestic sheep and goats--- (152T46)

SO:Doklady Akademiy Nauk SSSR; Vol.LXIX; No. 5; 11 Dec 1949 uncl deg

SHUL'TS, R.S.; DAVTYAN, E.A.

Helminthoantigens. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 4 no.6:  
533-542 '51. (MIRA 9:8)

1. Institut fitopatologii i zoologii Akademii nauk Armyanskoy SSR.  
(Worms, Intestinal and parasitic)  
(Antigens and antibodies)

SHEDITS, R. S., APRIL 1957, L. A.

Nematoda

Comparative anatomical study of "arcs" in nematode of the Protostrongyloidea family and their role in classification. Trudy Gel'm. Lab. no. 5, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September 1952, UNCL.



SHUL'TS, R. S.

Fenotiazin v veterinarno-gelmintolo-gicheskoi praktike [Phenothiazine in veterinary-helminthological practice]. Moskva, Sel'khozgiz, 1952. 160 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 5, August 1953.



TRIN, J. A. (1953) "M. M. ..."

Obituary notice (Trin) in the journal "Mammalia",  
"Works on Mammalogy" on the 55th Birthday of K. I. Shvachin, Izdat. Akad.  
Nauk, 1953, page 703

SKRYABIN, K.I., redaktor; SHIKHOBALOVA, N.P.; SHUL'TS, R.S.; IVASHKIN, V.M.,  
redaktor; ALEKSEYEVA, T.V., tekhnicheskiy redaktor.

[Principles of nematology] Osnovy nematodologii. Pod red. K.I. Skriabina.  
Moskva, Izd-vo Akademii nauk SSSR. Vol. 4. [Dictyocaulidae, Heligmoso-  
matidae, and Ollulanidae in animals] Diktiokaulidy, geligmozomatidy i  
ollulanidy zhivotnykh. 1954. 323 p. (MIRA 8:4)

1. Akademiya nauk SSSR. Gel'mintologicheskaya laboratoriya.  
(Nematoda)

TAB CON and summary D-241113, 27 May 55

SHUL'TS, R.S.; KADENATSIY, A.N.

Characteristics of the trichostrongylid *Spiculopteragia alcis* from  
elk and roe deer. Trudy Gel'm.lab. 7:343-345 '54. (MLRA 8:5)  
(Parasites--Elk) (Parasites--Roe deer) (Nematoda)

SHUL'TS, R.S.; DAVTYAN, E.A.

Forms of host-parasite relations in helminthology. Zool.zhurn.  
33 no.6:1201-1205 N-D '54. (MIRA 8:2)

1. Institut veterinarii Kaz.filiala VASKhNIL i Yerevanskiy  
zooveterinarnyy institut.  
(Helminthology)

SHUL'TS, R.S.: DAVTYAN, E.A.

Host-parasite specificity. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 8  
no.5:89-92 My '55. (MLRA 9:8)

1. Zoologicheskii institut AN Arm.SSR.  
(Parasitology)

SHUL'TS, R.S., doktor biologicheskikh nauk, professor; BONDAREVA, V.I.,  
kandidat veterinarnykh nauk.

Organizing measures for the control of coenurosis and echinoccosis.  
Veterinariia 33 no.11:24-28 N '56. (MLRA 9:11)

1. Kazakhskiy nauchno-issledovatel'skiy veterinarnyy institut.  
(Tapeworms)



USSR / Diseases of Farm Animals. Diseases Caused  
by Helminths.

R-2

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7340

Author : R. S. Shults, V. I. Bondareva

Inst : Not Given

Title : Concerning the Organization of Measures to  
Control Coeunurosis and Echinococcy's.

Orig Pub: Veterinarya, 1956, No 11, 24-28

Abstract: Among the methods for the fight against coeun-  
urosis and echinococcus the authors recommend de-  
worming of dogs twice a year, destruction of inva-  
sive material and a complete and timely removal  
from the flock of the affected sheep and goats  
and their concentration in special groups. The  
authors give great importance to this method and  
cite arguments in favor of its expediency.

Card 1/1

ANDREYEVA, N.K.; SHUL'TS, R.S., red.

[Helminthological (strongylate) atlas of domestic and wild ruminants in Kazakhstan]. Atlas gel'mintov (strongiliat) sel'skokhoziaistvennykh i dikikh zhvachnykh Kazakhstana. Pod redaktsiei R.S.Shul'tsa. Tashkent, Institut veterinarii Kazakhskogo filiala vaskhnil, 1957, 215 p. (MIRA 12:1)  
(Kazakhstan--Nematoda) (Parasites--Ruminantia)

COUNTRY : USSR  
CATEGORY : Zooparasitology - Parasitic Worms  
ABS. JOUR. : RZBiol., No.19 1958, No. 86310  
AUTHOR : Shul'ts, A.S.; Andreyeva, N.K.  
INST. : Veterinary Institute of the Kazakh Affiliate of  
TITLE : The Influence of Dietary Differences on the Growth  
of Strobilocerca in Mice  
ORIG. PUB. : Tr. In-ta Vet. Kazakhst. Fil. VAShNIL, 1957,  
Vol.8, 369-380  
ABSTRACT : no abstract

\*VAShNIL

CARD: 1/1

-8-

SHUL'TS, R.S.; DAVTYAN, E.A.

Virulence and invasion capacity of helminths. Izv. AN Arm. SSR.  
Biol. nauki 12 no.9:14-17 S '59. (MIRA 12:12)  
(WORMS, INTESTINAL AND PARASITIC)

COUNTRY	: USSR	G
CATEGORY	: Zooparasitology.Parasitic Worms.General Problems	
AES. JOUR.	: RZhBiol., No. 4 1959, No. 14973	
AUTHOR	: Shul'ts, R. S.	
INST.	: Kazakh Scientific Research Veterinary Institute	
TITLE	: Helminthoimmunity ( Its Specificity and Primary Immunity )	
ORIG. PUB.	: Tr. Kazakhsk. n.i. vet. in-ta, 1957, 9, 359-375	
ABSTRACT	: In the author's opinion the immunity against helminthic infections, like an insusceptibility to bacterial infections, is one of the physiological functions of the organism which is a function of its defence against the invasion and pathogenic action of various heterogeneous living organisms. However, obeying the general immunological principles, the immunity caused by helminths has its own specificity connected with their morphological, physiological and	
CARD:	1/5	

COUNTRY :		G
CATEGORY :		
ABS. JOUR. :	RZhBiol., No. 4 1959, No. 14973	
AUTHOR :		
INST. :		
TITLE :		
ORIG. PUB. :		
ABSTRACT cont'd :	<p>a certain threshold force capable of producing a practically noticeable immunogenic effect which would affect the vital activity of the helminths. In helminthology, as well as in microbiology, a primary, natural and nonspecific immunity is to be distinguished from the secondary one, which is acquired and specific. The same physiological mechanisms form the basis of the first and the second one but the reactions of immunity are more marked in the secondary, acquired immunity. The</p>	
CARD:	3/5	

SHUL'TS, R.S.

"Echinococcosis as a Medical and National Economy Problem."

report presented at the Conference on the Natural Foci of Diseases and Problems of Parasitology. Alma Ata, Sep 1959.

SHUL' TS, R. S.

Tsenoroz ovets i bor'ba s nim v Kazakhstane (Coenurosis of sheep and its control in Kazakhstan). Alma-Ata, 1959, 36 pages with illustrations (Ministry of Agriculture of Kazakh SSR. Administration of Agricultural Sciences and Propaganda. To assist the veterinary fel'dsher). Free; 3,000 copies. In the Kazakh language.



SHUL'TS, R.S.

Primary immunity in helminthiasis. Trudy Gel'm. lab. 9:395-397  
'59. (MIRA 13:3)

(WORMS, INTESTINAL AND PARASITIC) (IMMUNITY)

SHUL'TS, R.S.; ANDREYEVA, N.K.

Experimental study of immunity in laboratory animals of  
different age groups; strobilocercosis of mice. Trudy  
Inst.zool.AN Kazakh.SSR 12:104-108 '60. (MIRA 13:7)  
(Cestoda) (Immunity)

SHUL'TS, Rikhard Solomonovich, prof.; doktor biolog.nauk, zasluzhennyy dayatel' nauki Kazakhskoy SSR; USACHEVA, I.G., red.; GUREVICH, M.M., tekhn.red.

[Helminthiasis in sheep and cattle; a practical manual for livestock-farm workers, directors of farms, zootechnicians, and veterinarians] Gel'mintozy ovets i krupnogo rogatogo skota; prakticheskoe posobie dlia rabotnikov zhivotnovodstva, rukovoditelei khoziaistv, zootekhnikov i veterinarnykh spetsialistov. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 239 p.

(MIRA 13:7)

1. Zaveduyushchiy gel'mintologicheskoy laboratoriyey Instituta veterinarii Kazakhskogo filiala Vsesoyuznoy akademii sel'sko-khozyaystvennykh nauk imeni V.I.Lenina (for Shul'ts).

(Parasites--Sheep)

(Parasites--Cattle)

SHUL'TS, R.S., prof.; ARSLANOVA, A.Kh.

Echinococcosis in Kazakhstan. Zdrav. Kazakh. 21 no.2:51-57 '61.  
(MIRA 14:3)

1. Iz laboratorii gel'mintologii Veterinarnogo instituta Akademii  
sel'skokhozyaystvennykh nauk Kazakhskoy SSR i kafedry epidemiologii  
Kazakhskogo meditsinskogo instituta.  
(KAZAKHSTAN—HYATIDS)

SHUL'TS, R.S. (Alma-Ata)

Some epidemiological problems of eschinococcosis and methods  
for its control. Med.paraz.i paraz.bol. no.3:272-274 '62.  
(MIRA 15:9)

(HYDATIDS)

SHUL'YS, R.S.; ISHAGILOVA, R.G.

Scolex precipitation reaction for the diagnosis of echinococcosis.

Med. paraz. i paraz. bol. 32 no.6:678-682 M-D '63

(MIRA 18:1)

1. Iz gel'mintologicheskoy laboratorii Kazakhskogo nauchno-  
issledovatel'skogo instituta veterinarii, Alma-Ata.

SHULTS, R. S.

"Die Echinokokkose und Alveokokkose in der Kazakschen Republik (USSR)."

report submitted for 1st Intl Cong, Parasitology, Rome, 21-26 Sep 1964.

Alma Ata.

SHUL'TS, S.A., starshiy elektromekhanik

Improve the design of blocking telephones. Avtom., telem. i  
sviaz' 4 no. 12:38 D '60. (MIRA 14:1)

1. Molodechnenskaya distantziya signalizatsii i svyazi Belo-  
russkoy dorogi.

(Railroads--Communication systems)



SPIVAK, R.I.; DOKHOVNER, S.Ye.; SHUL'TS, S.S.; GERSHGORINA, F.Z.; USHKAN, Ye.M.

Treatment of ascariasis with piperazine adipate and piperazine hexahydrate in children with rheumatic fever. *Pediatrics* 36 no.11: 71-72 N '58. (MIRA 12:8)

1. Iz Respublikanskogo detskogo revmaticheskogo sanatoriya "Avoty" na Rzhskom vzmor'ye (glavnyy vrach M.K. Kuchkova, nauchnyy rukovoditel'-prof. A.N. Ivanov).

(ASCARIDS AND ASCARIASIS) (PIPERAZINE)  
(RHEUMATIC FEVER)

1. SHUL'TS S. S.
2. USSR (600)
4. Geology and Geography
7. Analysis of Newer Tectonics and Relief of T'ien Shan, S. S. Shul'ts. Records of the All-Union Geographical Society, New Series, Vol 3, (Moscow, Geography Press, 1948) Reviewed by Yu. Ya. Kuznetsov No 6 1949.
9. ~~Report~~ Report U-3081, 16 Jan. 1953, Unclassified.

SHUL'IS, S. S.

SHUL'IS S. S. "The role of tectonic processes in the formation of the present topography of Tyan'-Shan'", Trudy In-ta geografii (Akad, nauk SSSR), Issue 39, 1948, p. 11-20-

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7 1949).

SHUL'TS S. S.

SHUL'TS, S. S. "A table for the genetic classification of river terraces", Trudy  
In-ta geografii (Akad. nauk SSSR), Issue 39, 1948, p. 117-18.

SO: U-3042, 11 March 53, (Detopis Zhurnal 'nykh Statey, No. 7 1949).

SHUL'TS, S.S., doktor geolog-mineralobicheskikh nauk, redaktor;  
~~SHUL'TS, S.S.~~ KUDRITSKIY, D.M., redaktor; MOLODTSOVA, N.G., tekhnicheskii  
redaktor.

[Collection of articles on research in aerial photography]  
Sbornik statei laboratorii aerometodov (1953 g.) Moskva, 1954.  
132 p. [Microfilm] (MLRA 9:1)

1. Akademiya nauk SSSR.  
(Photography, Aerial)

MEYER, G.Ya.; MIROSHNICHENKO, V.P.; SHUL'TS, S.S.

Visual aerial geological and geographical observations in the Caspian Sea region, the Aral-Caspian watershed, and the Kara-Kum. Trudy Lab. aeromat. 4:92-93 '55. (MLRA 9:2)  
(Caspian Sea region--Aeronautics in geography)

SHUL'TS, S.S.

Principal features of the Mesozoic and Cenozoic structure of the  
Aral-Caspian watershed, Trudy Lab.aeromet. 4:94-111 '55.  
(Caspian Sea region--Aeronautics in geology) (HLRA 9:2)

GUR'YEVA, Z.I.; SHARKOV, V.V.; SHUL'TS, S.S.

Results of geological mapping of shallow ocean bottom areas by  
means of aerial photographs. Sov.geol. no.42:65-79 '55.

(MLRA 8:6)

(Photography, Aerial) (Geology--Maps)



SHUL'TS, S.S.; MOZHAYEV, B.N.

Aerial geological research data applied to the study of the tectonic structure of the bottom and the coast of the northern Caspian Sea region. Trudy Lab. aeromet. 5:107-126 '56. (MLRA 10:1)  
(Caspian Sea region--Aeronautics in geology)

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,  
pp 38-39 (USSR) 14-57-7-14507

AUTHORS: Shul'ts, S. S., Mozhayev, B. N.

TITLE: Slides on the Tyub-Karagan Peninsula (Opolzni  
poluostrova Tyub-Karagan)

PERIODICAL: Vestn. Leningr. un-ta, 1956, Nr 24, pp 127-141

ABSTRACT: Land slides occur in a continuous belt along the  
northern shore and the northern part of the western  
shore of the Tyub-Karagan peninsula. These slides  
are classified as the Tyub-Karagan type. Two kinds  
of slides can be distinguished: 1) Slides which dis-  
lodge bedrock forming escarpments. In the upper part  
of the slope there lies a pervious, compact, rigid and  
fissured layer of Neogene limestones (40 m to 50 m  
thick), which rests on an impervious layer of clay.  
Some of the slides take place along the contact plane

Card 1/3

14-57-7-14507

Slides on the Tyub-Karagan Peninsula (Cont.)

between the clay and limestone, but normally, slabs broken off the limestone disclose a vertical displacement. This can be explained either by the presence of water on the contact plane or by the limestone slabs settling along the surface of the vertical fissures intersecting both the limestone and the clay. 2) Slides which dislodge marine terraces. These are produced when the sea undercuts the terraces and when ancient slides at the base of the terraces rest on clays of the Maykop series. Large volumes which participate in these slides are bounded by the vertical fissures and assume the forms of long bands extending along the shore of extremely irregular bodies. The abrading action of the sea and ground waters is the chief cause of slides of the Tyub-Karagan type. Climatic changes influence fluctuations in sea level and in the amount of ground water. The author discusses the history of slide formations in the light of fluctuations in the level of the Caspian Sea. Because present precipitation and amount of ground water are very small, and because the level of the Caspian Sea is low, contemporary

Card 2/3

14-57-7-14507

Slides on the Tyub-Karagan Peninsula (Cont.)

slides are far less extensive than the former ones. A bibliography of 12 titles is included.

Card 3/3.

G. K.

SHULF 3 2

Card 3

3(4)

PHASE I BOOK EXPLOITATION

SOV/1835

Akademiya nauk SSSR. Laboratoriya aerometodov

Trudy, t. 6 (Transactions of the Laboratory of Aerial Methods,  
USSR Academy of Sciences, Vol 6) Moscow, Izd-vo AN SSSR;  
1958. 280 p. Errata slip inserted. 1,500 copies printed.

Resp. Ed.: V.P. Miroshnichenko, Candidate of Geological and  
Mineralogical Sciences; Ed. of publishing House: D.M. Kudritskiy;  
Tech. Ed.: E.Yu. Bleykh.

PURPOSE: This volume is intended for geologists, photo interpreters,  
or other personnel engaged in the study of landscape formations,  
especially from the standpoint of aerial photography.

COVERAGE: This collection of studies and brief articles treats  
problems in aerial photography and photo interpretation in rela-  
tion to geological phenomena. The geographical area of study,  
with minor exceptions, is the Caspian plains and western shore.  
Most of the studies are well illustrated with aerial photographs.  
Aside from the numerous articles on geological phenomena of the

Card 1/6

Transactions of the Laboratory (Cont.)

SOV/1835

Caspian basin, the following are also covered: portions of the Russian platform, the Muyunkumy sands of Central Kazakhstan, photo interpretation of clayey flats, desert vegetation and tree cover, the effective lens speed of photographic objectives, photogrammetric determination of profiles on hydro technical models, and others. No personalities are mentioned. References follow each main article.

TABLE OF CONTENTS:

Miroshnichenko, V.P. The Disjunctive Manifestations of Present-day Tectonic Movements in Southwest Turkmeniya and Their Study Based on Aerial Methods	3
Miroshnichenko, V.P. The Pattern of Tectonics in Shallow Water Zones at the Turkmenian Littoral of the Caspian Sea	22
Mozhayev, B.N. The Aerial Photographic Outline of Structural Forms of the Tyub-Karagan Peninsula Shaped by Recent Tectonics	54

Card 2/6.

Transactions of the Laboratory (Cont.)

SOV/1835

Shul'ts, S.S. The Relationship of Relief and Recent Tectonics to the Structure of the Northwestern and Western Portions of the Russian Platform	62
Volin, A.V. The Muyunkumy Sands on the River Sarysu Shores in Central Kazakhstan	85
Belonogova, I.N., and B.V. Vinogradov. Some Factors Which Govern the Image Appearance of Clay Flats on Aerial Photos	100
Vinogradov, B.V. Keys for Interpreting Desert Vegetation on Larger Scale Aerial Photographs	108
Artsybashev, Ye.S., and S.V. Belov. The Reflective Properties of Species of Trees	120
Belov, S.V., and A.M. Berezin. The Significance of Aerial Photographic Conditions and Various Types of Aerial Film for Studying Forests	146

Card 3/6

SHUL'TS, S.S.

Modern orogenic areas, their tectonic characteristics, and position  
in the general crustal structure. Nauch.dokl.vys.shkoly; geol.-geog.  
nauki no.1:12-21 '58. (MIRA 12:2)

1. Leningradskiy universitet, geograficheskiy fakul'tet, kafedra  
geomorfologii.

(Mountains)



SHUL'TS, S.S.

Planning the legend for the neotectonic map of the U.S.S.R. on a  
1:5 000 000 scale. Izv.vys.ucheb.zav.; geol.i razv. 1 no.9:14-18  
S '58. (MIRA 12:9)

1. Leningradskiy gosudarstvennyy universitet.  
(Geology, Structural--Maps)

SHUL'TS, S.S.; EPSHTEYN, S.V.

Geomorphological surveying and surveying of Quaternary sediments  
in the combined all-Union geological mapping operations. Mat.  
VSEGEI. Chet. geol. i geomorf. no.2:72-76 '59. (MIRA 14:5)  
(Geological surveys)

SHULTS, S. S.

"The Region of Recent Mountain Building, Their Tectonic Importance and Place in the General Structure of the Earth's Crust"

report to be submitted for the Intl. Geographical Union, 10th General Assembly and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

NIKOLAYEV, N.I., red.; SPRINGIS, K.Ya., red.; SHUL'TS, S.S., red.; BAZHA-  
NOVA, S., red.; LEMBERGA, A., tekhn. red.

[Recent tectonics of the USSR; submitted to the VI Congress of  
INQUA] Neotektonika SSSR; k VI kongressu Mezhdunarodnoi assotsiatsii  
po izucheniiu chetvertichnogo perioda (INQUA). Pod red. N.I.Nikolaeva  
i K.IA.Springisa. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1961. 336 p.  
(MIRA 14:12)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu akademijs. Geo-  
logijas instituts. 2. Moskovskiy geologorazvedochnyy institut im. S.Ord-  
zhonikidze (for Nikolayev). 3. Institut geologii Akademii nauk Latviy-  
skoy SSR (for Springis).

(Geology, Structural)

SHUL'TS, S.S.

Aerogeologic methods of studying tectonic structures. Metod.  
izuch.tekt.struk. no.2:236-267 '61. (MIRA 14:8)  
(Aeronautics in geology)

NIKCLAYEV, N.I.; SHUL'TS, S.S.

Map of the recent tectonics of the U.S.S.R. Izv. AN SSSR. Ser.  
geog. no. 4:25-32 J1-Ag '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut.  
(Geology, Structural--Maps)

NIKOLAYEV, N.I.; SHUL'TS, S.S.

Map of the latest tectonics of the U.S.S.R. Izv.vys.ucheb.zav.;  
geol.i razv. 4 no.10:3-8 0 '61. (MIRA 14:12)

1. Moskovskiy geologorazvedochnyy institut imeni S.Ordzhonikidze,  
laboratoriya aerometodov AN SSSR.

LIKHACHEV, Yu.A.; VLADIMIRSKIY, V.S.; MALOVA, E.V.; SHUL'TS, S.S.

Basic characteristics of the stratigraphy of the Paleozoic in the  
central Kyzyl Kum. Trudy VSEGEI 46:22-35 '61. (MIRA 14:11)  
(Kyzyl Kum--Geology, Stratigraphic)



SHUL'TS, S.S.

Surface gravity dislocations and gravity. Uch.zap.LGU no.298:3-26  
'61. (MIRA 15:2)

(Gravity)

SHUL'TS, S.S.

Basic structural areas based on recent tectonic data on the U.S.S.R.  
Sov.geol. 5 no.5:18-32 My '62. (MIRA 15:7)  
(Geology, Structural)

NIKOLAEV, N.I. [Nikolayev, N.I.]; SULT, S.S. [Shul'ts, S.S.]

The newest tectonic map of the U.S.S.R. Analele geol geogr 16  
no.2:118-126 Ap-Je '62.

SULT, S.S., [Shul'ts, S.S.]

Main geostructural regions of the earth according to the U.S.S.R.  
neotectonic data. Analele geol geogr 17 no.2:19-34 Ap-Je '63.

LIKHACHEV, Yu.A.; VLADIMIRSKIY, V.S.; MALOVA, E.V.; SHUL'TS (mladshiy), S.S.;  
MAKAROVA, Z.A.; SINCHUGOVA, T.A.; CHUYENKO, P.P., red.; FEDOTOVA, M.I.,  
vedushchiy red.; DEM'YANENKO, V.I., tekhn.red.

[Paleozoic tectonics of the Kyzyl Kum basement] Tektonika  
paleozoiskogo fundamenta Kyzylkumov. Leningrad, Gostoptekhizdat,  
1963. 117 p. (Leningrad, Vsesoiuznyi geologicheskii institut.  
Trudy, vol. 105. Problema neftegazonosnosti Srednei Azii, no.15).  
(MIRA 17:3)

SHUL'TS, S.S., ml.

Nature of the convergence of the Urals and Tien Shan.  
Article 1: Aral-Kyzylkum swell. Structure of the plat-  
form mantle. Biul.MOIP.Otd.geol. 40 no.5:69-92 S-0 '65.  
(MIRA 18:11)

NOVIKOV, N.V., SHUL'TS, Sh.T.

Field loader and cleaner of beets equipped with a grab crane  
(from "Sucrerie Française," Ap., 1959). Sakh.prom. 34 no.7:72  
Jl '60. (MIRA 13:7)  
(Sugar beets) (Loading and unloading)

5401/1000  
DYMSHITS, L.A.; LEBEDINSKIY, A.V.; PEYMER, I.A.; SHUL'TS, V.A.

Application of electroretinography in glaucoma. Vopr. klin. eksper.  
oft., Moskva no. 1:30-41 1952. (GLML 22:4)

1. Leningrad.



GRIGOR'YEVA, V.I., prof.; KRAYCHIK, V.R.; SHUL'TS, V.A.; YAROSHETSKAYA, B.S.

Outpatient service to glaucoma patients. Trudy LPMI 31 no.2:40-47 '63.  
(MIRA 17:10)

1. Iz kafedry glaznykh bolezney Leningradskogo pediatricheskogo meditsinskogo instituta i glaznogo otdeleniya Ob'yedinennoy bol'nitsy imeni  
G. S. Pavlova, Leningrad.

L 08121-67 EWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AP6029968

SOURCE CODE: UR/0413/66/000/015/0156/0156

INVENTOR: Shul'ts, V. G.

29  
B

ORG: none

TITLE: Angular-value-to-digital-code converter. <sup>160</sup> Class 74, No. 184661 [announced by All-Union Scientific Research Institute of Mining Geomechanics and Surveying (Vse-soyuznyy nauchno-issledovatel'skiy institut gornoy geomekhaniki i marksheyderskogo dela)]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 156

TOPIC TAGS: digital 'analog converter, analog digital encoder

ABSTRACT: An Author Certificate has been issued for an angular-value-to-digital-code converter. A coding disk, which is rigidly attached to its input shaft, has a kinematic circuit and two computing systems. Each system consists of an illuminator, a slotted diaphragm, and a photoreceiver. One of these systems is mobile, thus simplifying the design and reducing the size of the converter. [SA]

SUB CODE: 09/ SUBM DATE: 29Apr65

Card 1/1 nst

UDC: 654.94:681. 142.07.07

SHUL'TS, V. L.

"Experiments in Investigation of the Heat Balance of a Snow Flake," Bulletin of Academy of Sciences of Uzbek SSR, No 11, 1946 (13-18).  
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

Shub'is, v. 1.

"Intensity of Erosion Suffered by the Surface of the Mountain Region in Central Asia," No 1,  
pp 37-41.

(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

SHUL'TS, V. [L]

PA 167T55

USSR/Hydrology - Water Balance

Jan/Feb 48

"Water Balance of Central Asia," V. Shul'ts

"Meteorol i Gidrol" No 1, pp 102-103

Compiled water balance separately for mountain and lowland regions of Central Asia. These show diametrically opposed hydrological roles of the two regions: mountains are region of runoff formation, while lowland is region of runoff dissipation.  
Submitted 14 Apr 47

167T55

USSR/Hydrology - Runoff                      Jul/Aug 48  
Forecasting, Hydrological

"Determining the Area of Possible Simultaneous  
Thaw in Watersheds of Central Asian Rivers,"  
V. L. Shul'ts

"Meteorol i Gidrol" No 3, pp 51-59

Area of possible simultaneous thaw is defined as  
that part of the watershed bounded by the "thaw  
front," i.e., locus of points where thaw is be-  
ginning (defined as zero isothermal at 1300  
hours), and the "thaw rear," i.e., locus of points  
where snow has disappeared. If this area is known

162T53

USSR/Hydrology - Runoff (Contd)                      Jul/Aug 48

along with average thaw intensity, amount of thaw  
waters entering hydrographic network of watershed  
can be calculated roughly at any time. Calculates  
areas for Central Asian watersheds. Submitted  
18 Feb 47.

162T53

SHUL'TS, V. L.

SHUL'TS, V.I.

Determining the area of possible simultaneous snow melt in  
watersheds of Central Asiatic rivers. Meteor. i gidrol. no.4:  
51-59 '48. (MLRA 8:2)  
(Asia, Central--Snow) (Asia, Central--Rivers)

SHUL'TS, V. [ ]

166T43

USSR/Hydrology - Runoff  
Glaciers

Sep/Oct 48

"Review of G. P. Yunusov's Article, 'Principles of Expressing the Main Hydrological Characteristics of Glacier-Fed Rivers,'" V. Shul'ts

"Meteorol i Gidrol" No 5, p 109

Criticizes article in "Izvestiya Kazakhskogo Filiala Akademii Nauk SSSR, Seriya Energeticheskaya," in which author states that additional term taking care of glacial runoff should be introduced into water balance equation for glacier-fed rivers. Submitted 8 Apr 47.

166T43



SHUL'TS, V. L.

Shul'ts, V. L. "Some data on the intensity of snow-melting as a function of its duration," Doklady "kad. nauk UzSSR, 1949, No. 1, p. 20-22 --- Summary in Uzbek

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, NO, 14, 1949)

11/15/44 B 1957

551,570,182.2

28.126  
 Shafte, V. I. *Peki Srednei Azii. [Rivers of Central Asia].* *Trudy naukoobrazovatel'noy literatury, Vol. 8, 1949.* 198 p. numerous figs., tables and refs.  
 on hydrology. *PLC.* A thorough treatment of the hydrology of Central Asia of the various river  
 basins, the main hydrological characteristics of evaporation, evapotranspiration, hydrological forecasting,  
 the influence of rivers on climate changes, and their effect on runoff in desert regions, effect  
 of temperature, wind, rainfall, soil seepage, maximum floods, minimum (drought) and  
 average runoff, channel and erosion. An excellent 6 page bibliography gives, by chapters,  
 citations to Russian, Russian and American papers on and some hydrology. *Subject Head-*  
*ings:* Hydrology, River basins, Central Asia. *W. P.*

438.514 METALLOGICAL LITERATURE CLASSIFICATION

REGIONAL COUNTRY

11/15/44 B 1957

SHUL'TS, V. L.

"Intensity of Washouts and of Surface Erosion in Mountainous Regions of Central Asia," Problemy Fizicheskoy Geografii (Problems of Physical Geography), Vol. 16, Symposium, Moscow, 1951.

U-1483, 25 Sept 51



1. SHUL'TS, V. L.; ZAKHAROV, V. P.
2. USSR (600)
4. Hydrology
7. Ways of further developing Soviet river hydrology. Izv. AN SSSR. Otd. tekhn. nauk no. 8, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

SHUL'TS, V.L.; SHALATOVA, L.I.

Some data on the speed of vertical infiltration of snow water in  
the snow pack. Izv. AN Uz.SSR no.1:128-129 '53. (MIRA 11:3)  
(Thawing)

SHUL'TS, V.L. [author]; KUNIN, V.N.; IVERONOVA, M.I. [reviewers].

"Melting of snowflakes (exemplified in the Bol'shoy Chingan region)." V.L. Shul'ts. Reviewed by M.I. Iveronova and V.N. Kunin. Izv. AN SSSR Ser. geog. no. 4:106-108 J1-Ag '53. (MLA 6:8)  
(Bol'shoy Chingan region--Snow) (Snow--Bol'shoy Chingan region)

SHUL'TS, V. L.

"Density of the Snow of Snow Drifts (Snezhniki)", Dokl. AN Uz SSR, No 1, 37-42, 1954.

As the result of a study of the density of the snow in snow drifts (in their upper layers down to 40 cm), which was carried out by an expedition of the Division of Hydrology of the Institute of Constructions, Academy of Sciences of Uzbek SSR, in various mountainous regions of Central Asia, USSR hydrologists have observed a regular increase in the density of snow with time and its decrease with elevation into the mountains (with increasing Height). This law holds for comparatively large ranges of altitudes and for mean values of snow densities. (RZhGeol, No 5, 1954). SO: Sum No. 443, 5 Apr. 55



SHUL'TS, V.L.; SHALATOVA, L.I.

Results of observations on the melting of snowlands in the upper  
Chimganka Valley in 1954. Izv. Uzb. fil. Geog. ob-va 2:66-85 '56.  
(Soviet Central Asia--Snow) (MIRA 11:4)

SHUL'TS, V.L.

Evaporation and condensation on snowbank surfaces during thawing  
periods. Izv.Uz.fil.Geog.ob-va 1:39-43 '55. (MIRA 10:3)  
(Snow) (Thawing)

SHUL'TS, V.L.

Some problems regarding the variation in annual runoff of Central  
Asian rivers. Izv. AN Uz. SSR no. 10:65-77 '56. (MIRA 14:5)  
(Soviet Central Asia--Runoff)

SHUL'TS, V.I.; SHALATOVA, L.I.

River system and occurrence of runoff characteristics in the Kashka-  
Dar'ya Basin. Trudy SAGU no.80:49-74 '56. (MLRA 10:4)  
(Kashka-Dar'ya Valley--Runoff)

Рогов, Л.В.

(X4,5)

PHASE I BOOK EXPLOITATION

807/1693

Akademiya nauk SSSR. Komitet po geodesii i geofizike.

Tesisy dokladov na II General'noy assambleye Mezhdunarodnogo geodeticheskogo i geofizicheskogo soyusa. Mezhdunarodnaya assotsiatsiya nauchnoy gidrologii (Abstracts of Reports Submitted to the 11th General Assembly of the International Union of Geodesy and Geophysics. The International Association of Scientific Hydrology) Moscow, 1957. 101 p. /Parallel texts in Russian and English or French/ 1,500 copies printed.

No additional contributors mentioned

PURPOSE: This booklet is intended for hydrologists and civil engineers.

COVERAGE: This collection of abstracts covers reports presented at the 11th General Assembly of the International Union of Geodesy and Geophysics on hydrological, erosional, and glaciological processes. Studies related to problems of underground waters, snow, and rivers are also discussed. The abstracts are in Russian, with English or French translations. Those appearing in English are designated by a single asterisk; those in French by two. There are no references given.

Shalits, V.I. Basic Characteristics of the Regimen of Rivers of Central Asia in Connection With Problems of Their Utilization *	40
Bogomolov, G.V., and N.A. Plotnikov. Classification of Underground Waters and Their Representation on Maps **	45
Makarenko, F.A. Characteristics of the Formation of Underground Runoff Into Open Reservoirs and Rivers and Methods of Determining Them *	46
Rusin, V.N. Conditions of Underground Water Accumulation in Deserts *	52
Tugarinov, V.V. The Study of the Process of Atmospheric Water Vapor Condensation and Its Role in the Formation of Underground Waters *	57
Kobelin, V.I. Principles of Regional Evaluation of Natural Reserves of Underground Waters and the Problems of Water Balance *	60
Ovchinnikov, A.M. Hydrogeological Maps of Folded Mountain Regions and Their Significance in the Evaluation of Underground Water Reserves *	64

Card 3/4

SHUL'TS, V.L.; SHALATOVA, L.I.

Rock slide in the Chon-Kzylsu Valley on July 14, 1956. Izv.Uzb.  
fil.geog.ob-va no.3:129-131 '57. (MIRA 11:4)  
(Chon-Kzylsu Valley)

SHUL'TS, V.L.; BABUSHKIN, L.N., prof., otv. red.

[Hydrography of Central Asia; a brief survey] Gidrografiia  
Srednei Azii kratkii ocherk. Tashkent. Izd-vo SAGU. 1958.  
114 p. (Tashkent. Universitet. Trudy Srendeaziatskogo gosudar-  
stvennogo universiteta, no.129) (MIRA 12:2)  
(Soviet Central Asia--Hydrography)

SHUL'TS, V.L.; SHALATOVA, L.I.; RUBINOVA, F.E.; CHERTANOV, N.P.

Problems in intensifying the melting of snow. Izv. AN Uz. SSR.  
Ser. tekhnauk no.2:63-72 '58. (MIRA 11:9)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.  
(Snow)



BERKALIYEV, Zeynula Temiraliyevich; SHUL'TS, V.L., prof., doktor geograf.  
nauk, otv.red.; VASLAVSKIY, N.A., red.; ZHUKOVA, N.D., red.;  
ROROKINA, Z.P., tekhn.red.

[Hydrological balance of the rivers of central, northern, and  
western Kazakhstan] Gidrologicheskii rezhim rek Tsentral'nogo,  
Severnogo i Zapadnogo Kazakhstana. Alma-Ata, Izd-vo Akad.nauk  
Kazakhskoi SSR, 1959. 277 p. (MIRA 12:5)  
(Kazakhstan--Rivers)

SHUL'TS, V.L., prof., otv.red.; BABUSHKIN, L.N., prof., red.; POSLAVSKAYA  
O.Yu., dotsent, red.; GAL'KOV, Ch.V., starshiy prepodavatel', red.

[Kashka Darya Province] Kashkadar'inskaya oblast'. Tashkent,  
Izd-vo SAGU. Vol.1. [Nature] Priroda. 1959. 279 p. (Tashkent.  
Universitet. Trudy Sredneaziatskogo gosudarstvennogo universiteta,  
no.155). (MIRA 14:5)

(Kashka Darya Province--Physical geography)

SHUL'TS, V.L.; ORSHINA, L.M.

Water balance of the Fergana Valley. Izv. AN Uz. SSR. Ser. tekhn.  
nauk no.4:72-81 '59. (MIRA 13:1)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.  
(Fergana--Water supply)

SHUL'TS, V.L., doktor geograf.nauk, otv.red.; ROMANIKA, N.A., red.izd-va;  
GOR'KOVAYA, Z.P., tekhn.red.

[Glaciological Expedition to the Fedchenko Glacier; preliminary  
data] Gliatsiologicheskaya ekspeditsiya na lednik Fedchenko,  
1957-1958. Predvaritel'nye rezul'taty issledovaniy. Tashkent,  
Izd-vo Akad.nauk Uzbekskoi SSR, 1960. 178 p. (MIRA 13:3)  
(Fedchenko Glacier--Geology)